

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000869.D
 Acq On : 18 Oct 2019 05:30
 Operator : JU
 Sample : K5152-06 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-01-101519

Manual Integrations
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Quant Time: Oct 18 13:29:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	192285	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	659325	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	347452	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	638853	20.00	ng	0.00
76) Chrysene-d12	14.00	240	413547	20.00	ng	0.02
87) Perylene-d12	15.48	264	518098	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	494799	41.36	ng	-0.02
7) Phenol-d6	6.39	99	657556	45.62	ng	-0.02
23) Nitrobenzene-d5	7.31	82	346969	32.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	180177	48.66	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	790495	36.81	ng	-0.02
79) Terphenyl-d14	12.91	244	916835	44.89	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.06	128	195520	6.350	ng	98
37) 2-Methylnaphthalene	8.75	142	125528	6.073	ng	99
38) 1-Methylnaphthalene	8.85	142	154002m	7.885	ng	
49) Acenaphthylene	9.66	152	385174	12.589	ng	99
50) Dimethylphthalate	9.51	163	198785	8.234	ng	# 93
52) Acenaphthene	9.83	154	511613	27.566	ng	99
55) Dibenzofuran	10.00	168	595355	21.459	ng	97
58) Fluorene	10.35	166	927976	46.930	ng	98
71) Phenanthrene	11.34	178	6292499	196.121	ng	96
72) Anthracene	11.39	178	2685387	84.412	ng	99
73) Carbazole	11.53	167	499130	16.925	ng	98
75) Fluoranthene	12.56	202	8469693	235.041	ng	97
78) Pvrene	12.79	202	6866215	240.732	ng	96
81) Benzo(a)anthracene	13.99	228	4928125	195.310	ng	# 92
83) Chrysene	14.03	228	3674742	148.382	ng	96
86) Indeno(1,2,3-cd)pyrene	16.99	276	2247708	72.658	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	5618301m	191.144	ng	
89) Benzo(k)fluoranthene	15.09	252	1310387m	46.827	ng	
90) Benzo(a)pvrene	15.43	252	3674780	134.116	ng	95
91) Dibenzo(a,h)anthracene	16.99	278	590551m	22.223	ng	
92) Benzo(g,h,i)perylene	17.43	276	1952169	72.294	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

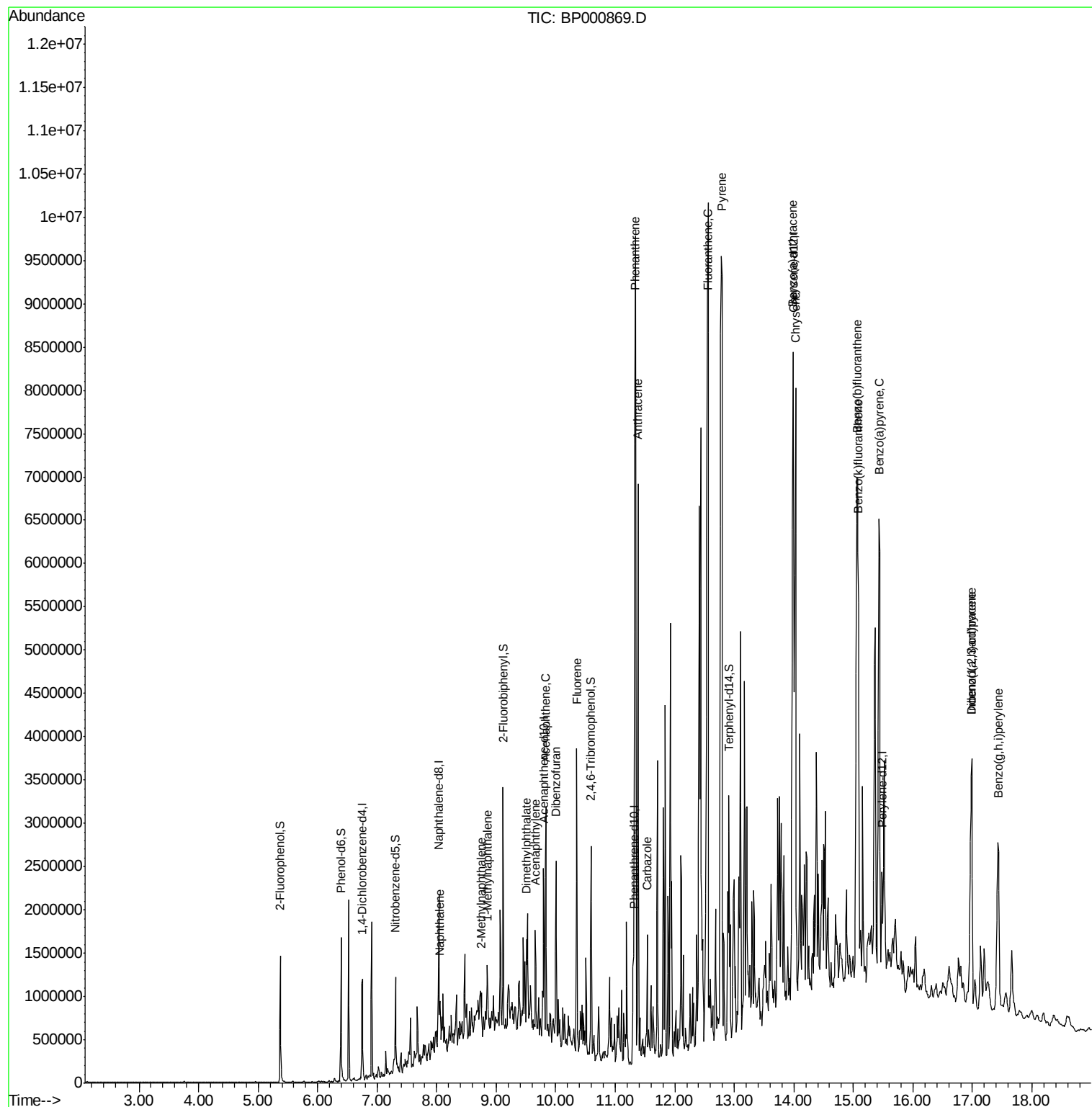
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
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ALS Vial : 26 Sample Multiplier: 1

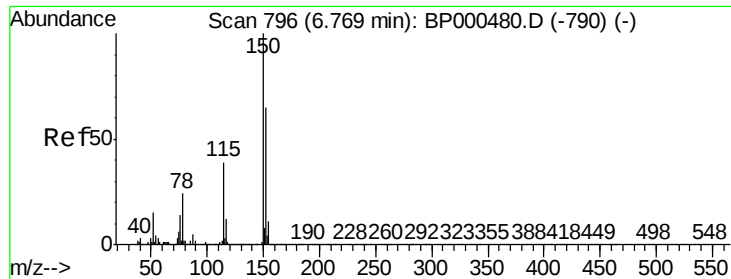
Instrument :
BNA_P
ClientSampleId :
SU-01-101519

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Quant Time: Oct 18 13:29:10 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

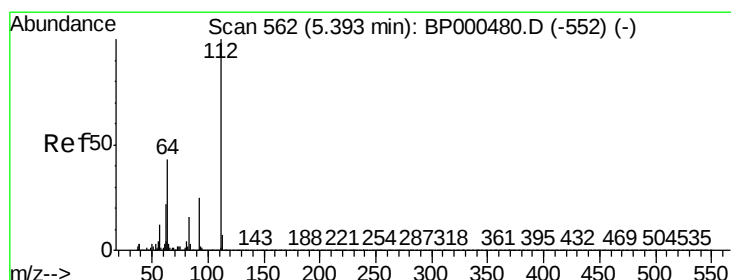
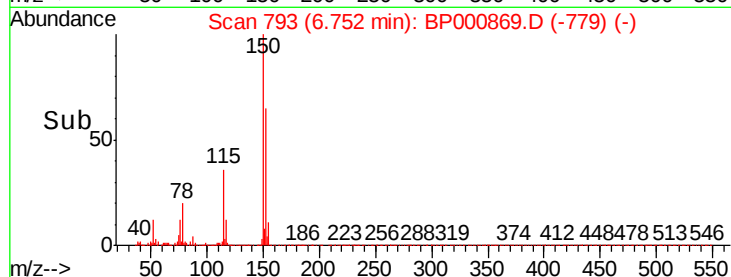
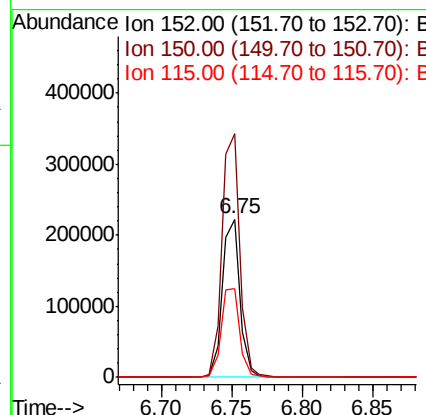
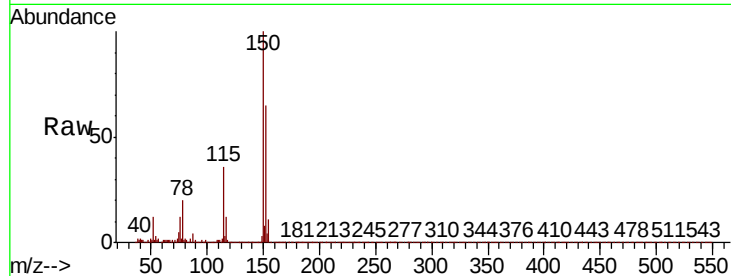
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.1	186.1
115	55.7	48.7	73.1

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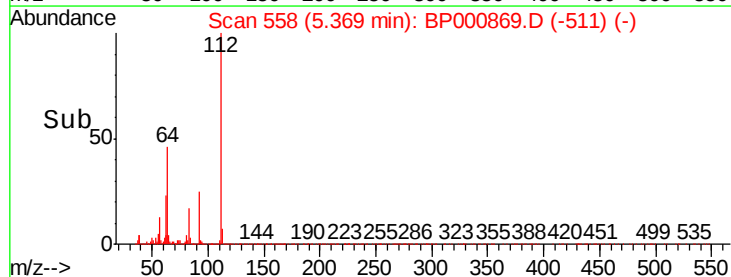
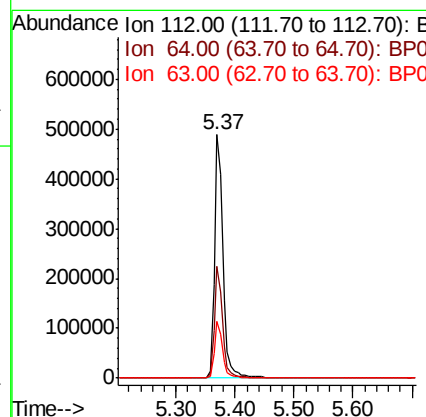
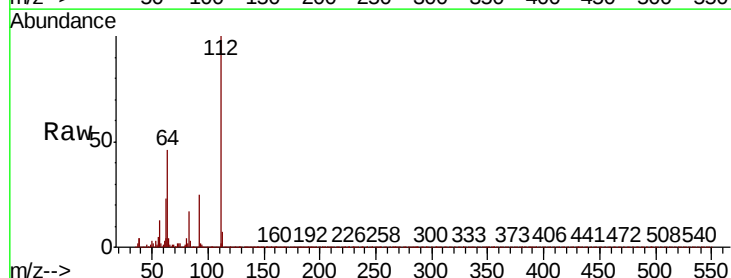
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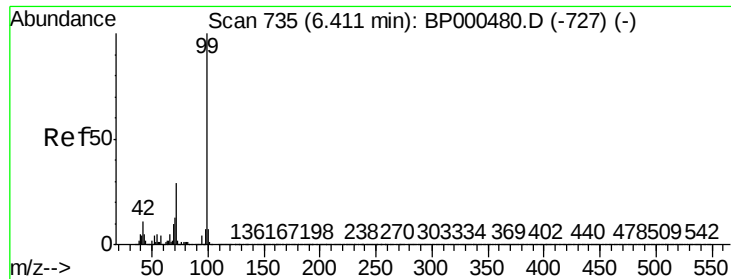


#5

2-Fluorophenol
Concen: 41.364 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	34.2	51.4
63	23.4	17.9	26.9





#7

Phenol-d6

Concen: 45.616 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Instrument :

BNA_P

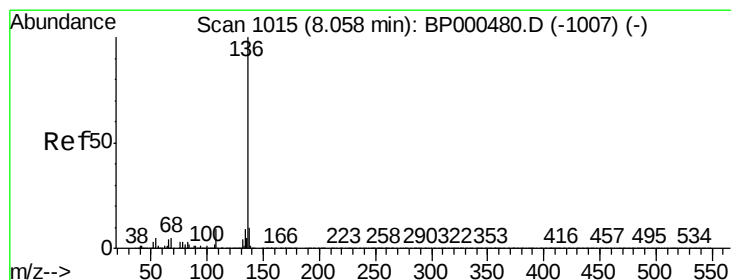
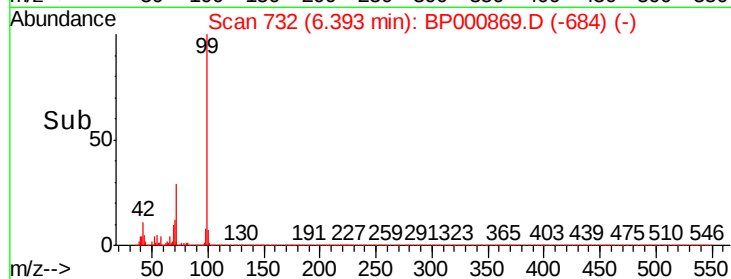
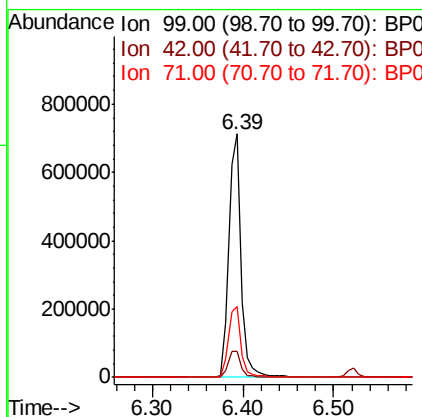
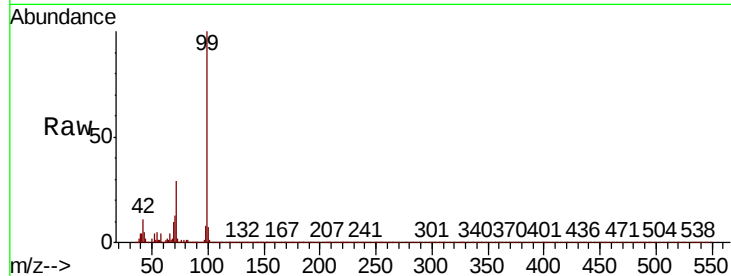
ClientSampleId :

SU-01-101519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		657556		
42	10.6	8.6	12.8		
71	29.3	23.0	34.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

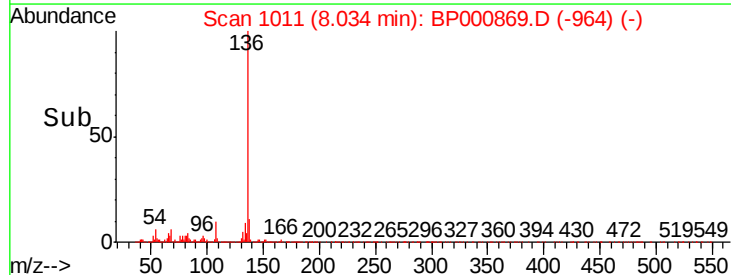
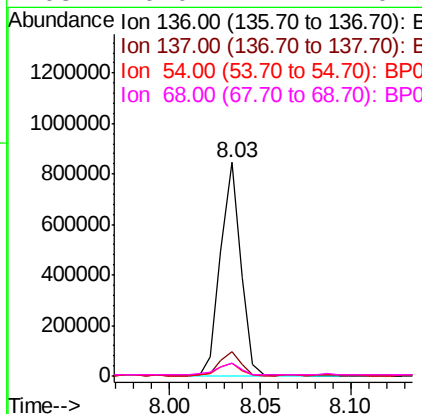
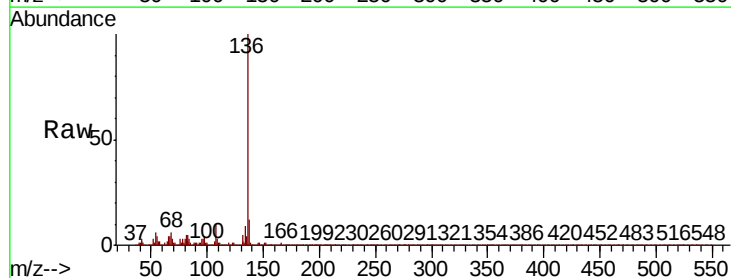
RT: 8.03 min Scan# 1011

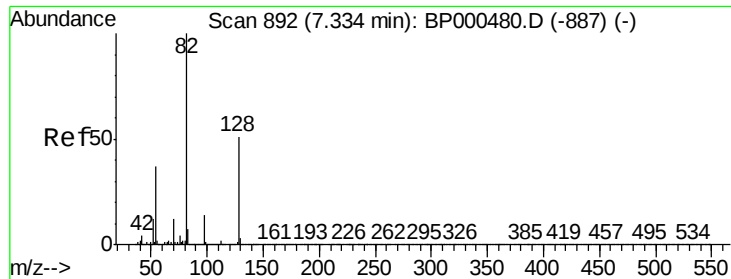
Delta R.T. -0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		659325		
137	11.5	8.2	12.4		
54	5.7	4.1	6.1		
68	6.0	4.1	6.1		





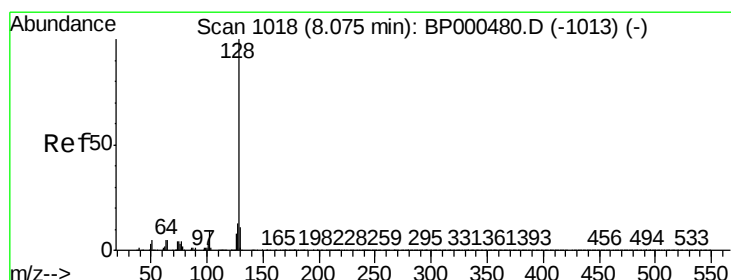
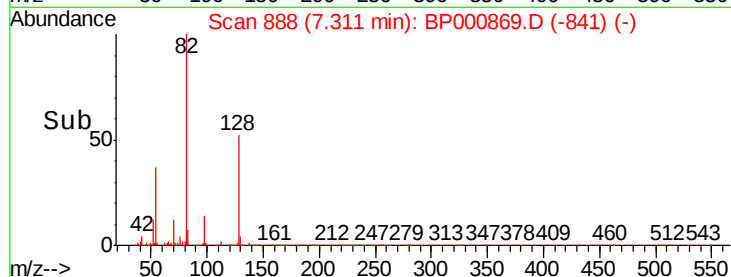
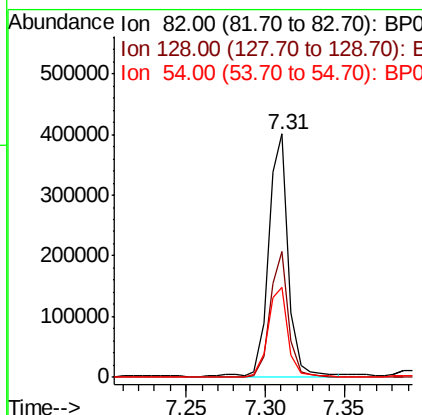
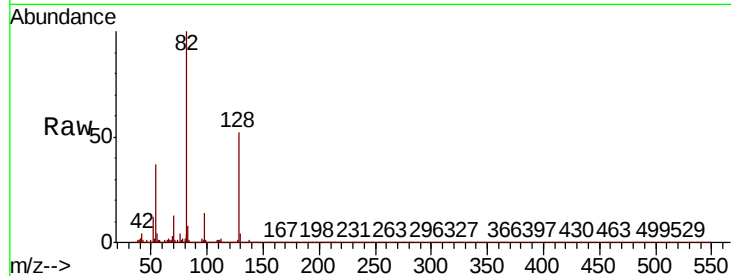
#23
Nitrobenzene-d5
Concen: 32.141 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.8	40.9	61.3
54	36.9	29.4	44.2

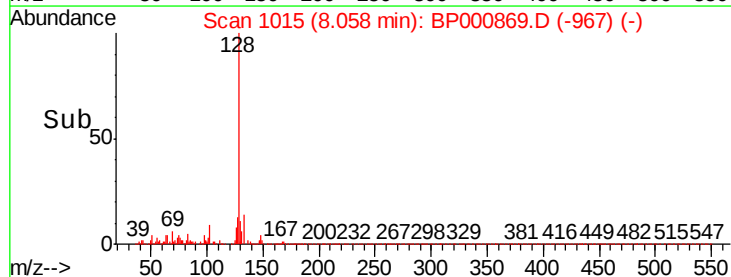
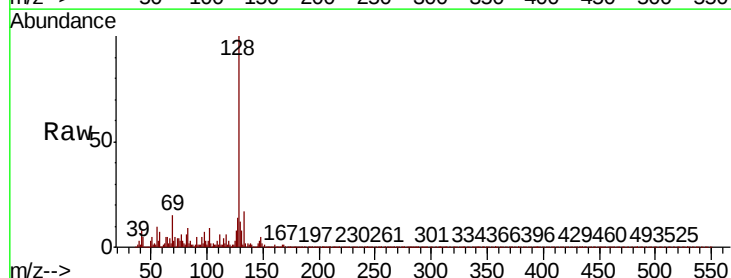
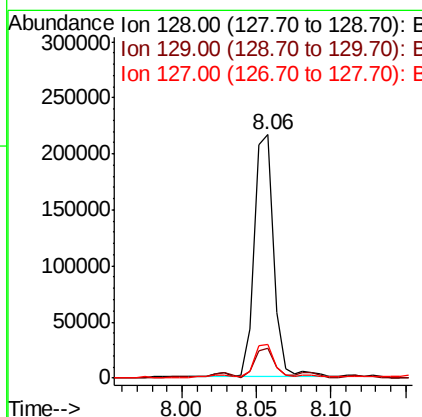
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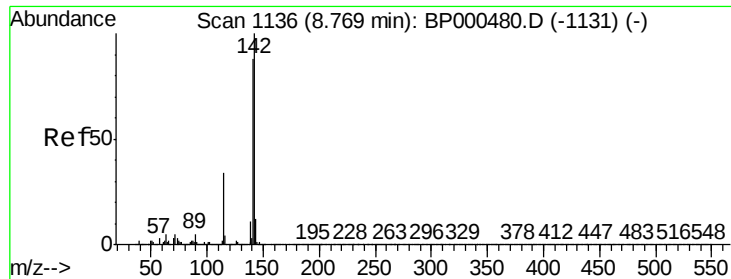
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#31
Naphthalene
Concen: 6.350 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	13.7	10.5	15.7





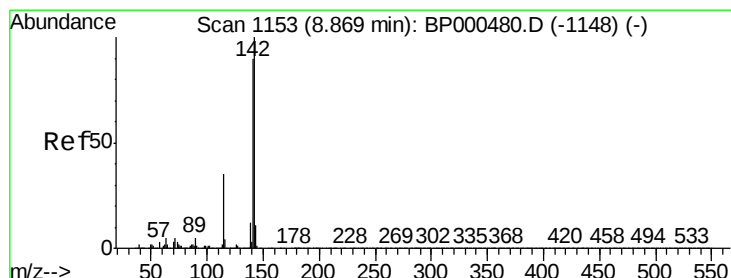
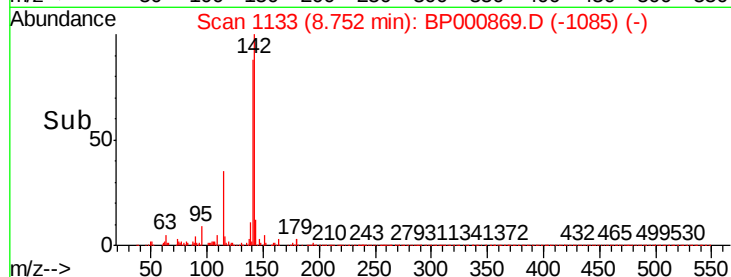
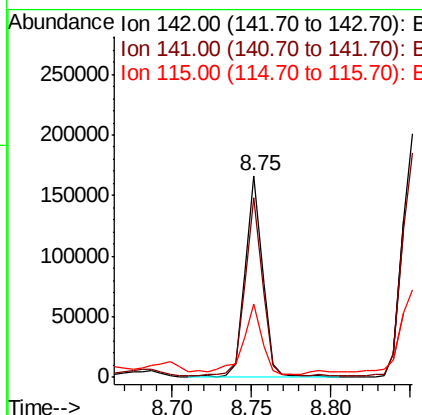
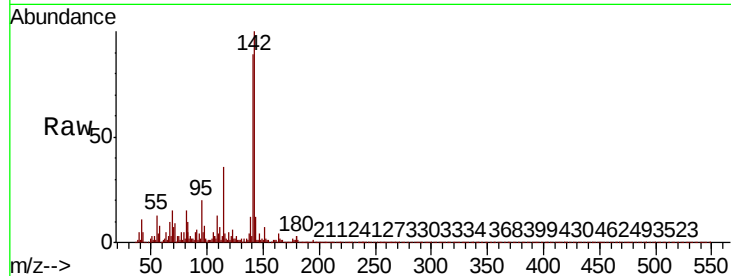
#37
2-Methylnaphthalene
Concen: 6.073 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	106.0
115	36.1	27.4	41.0

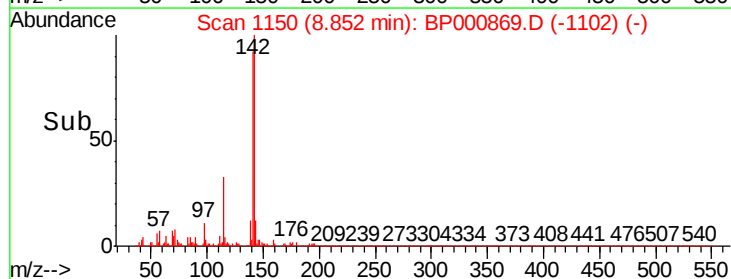
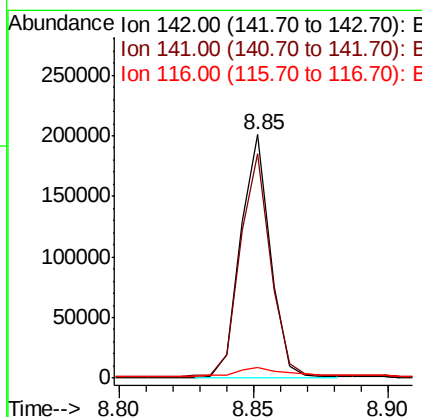
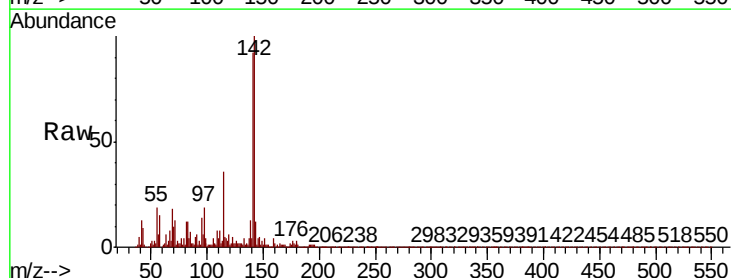
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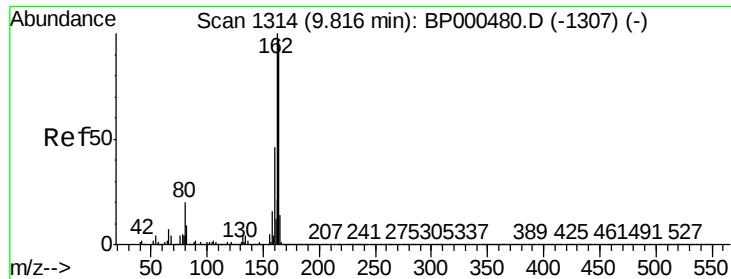
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#38
1-Methylnaphthalene
Concen: 7.885 ng m
RT: 8.85 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.9	107.9
116	4.6	3.0	4.4





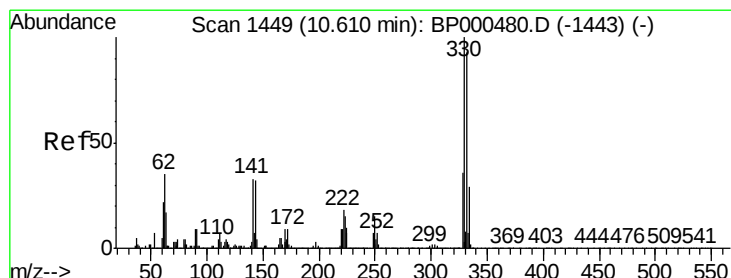
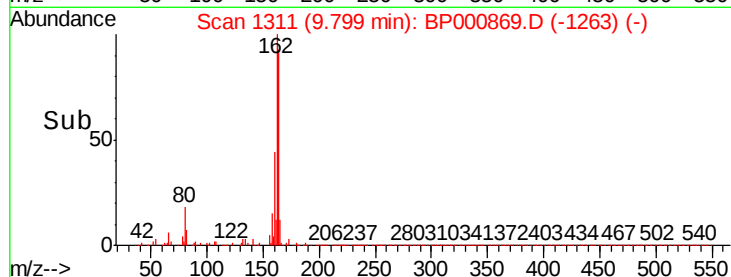
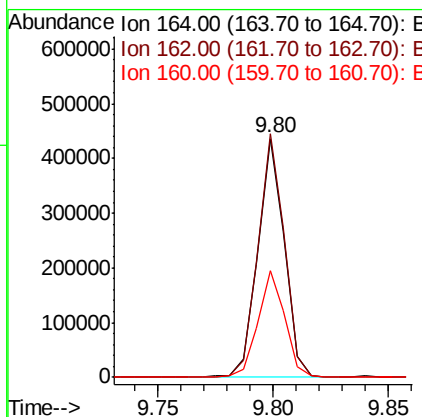
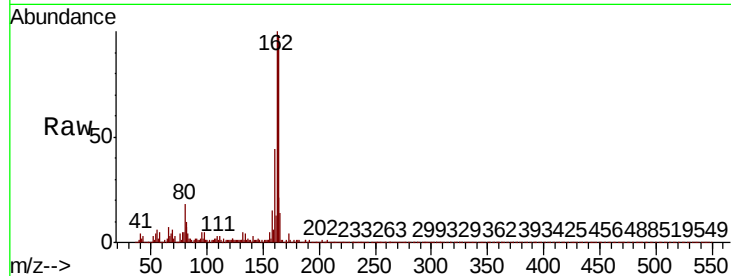
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.2	123.2	
160	44.9	37.6	56.4	

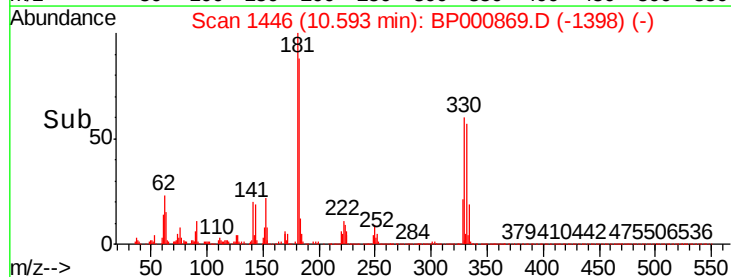
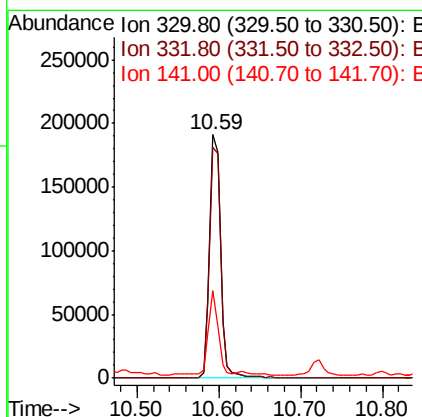
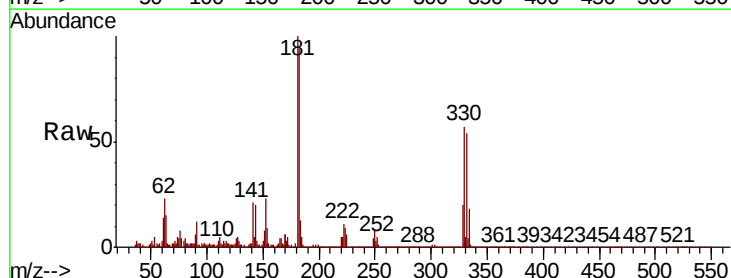
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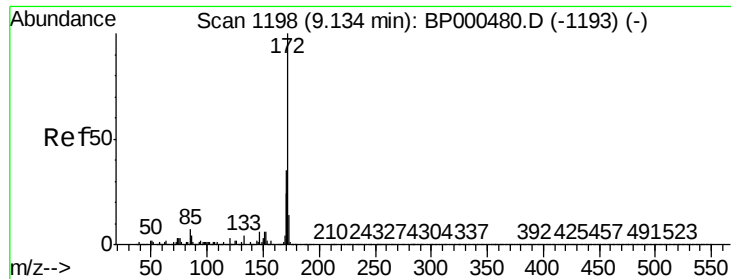
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#42
2,4,6-Tribromophenol
Concen: 48.663 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.1	115.7	
141	28.3	26.0	39.0	





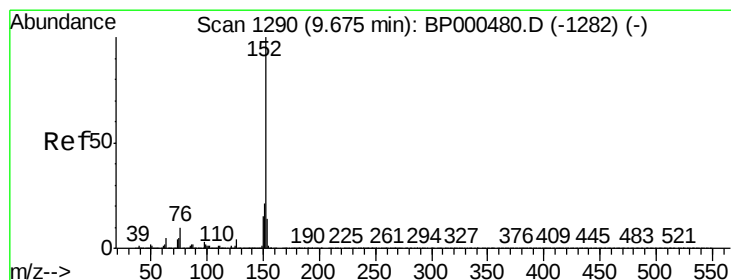
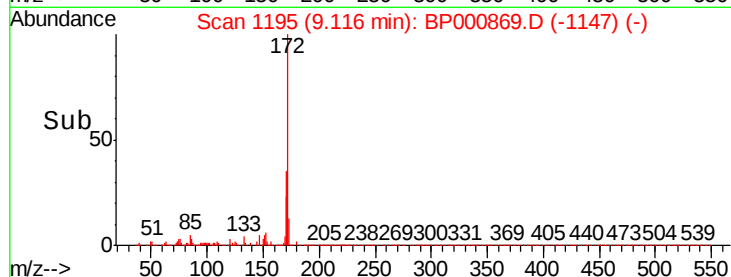
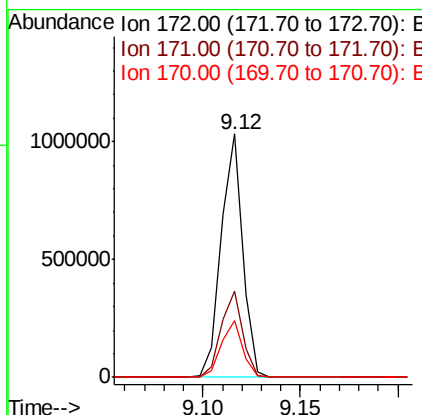
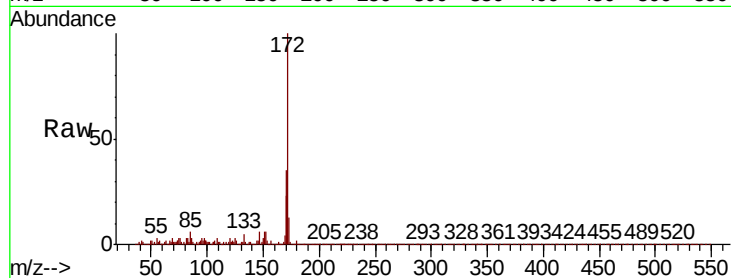
#45
2-Fluorobiphenyl
Concen: 36.811 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampled :
SU-01-101519

Tot Ion:	172	Resp:	790495
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.4	42.6
170	23.1	19.1	28.7

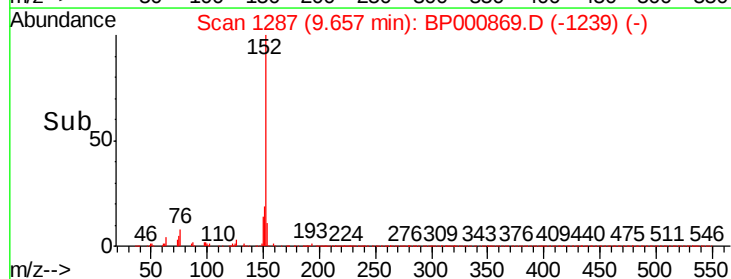
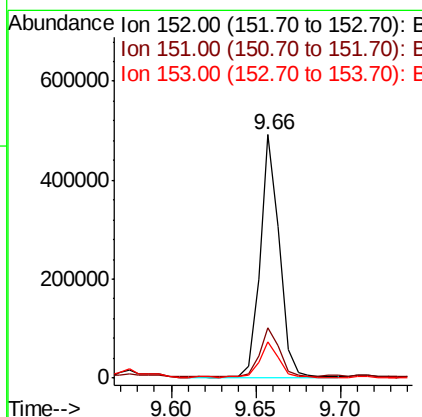
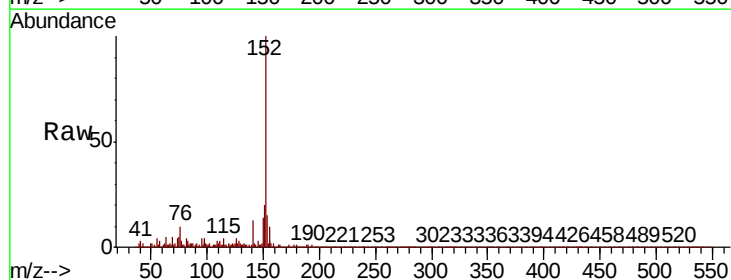
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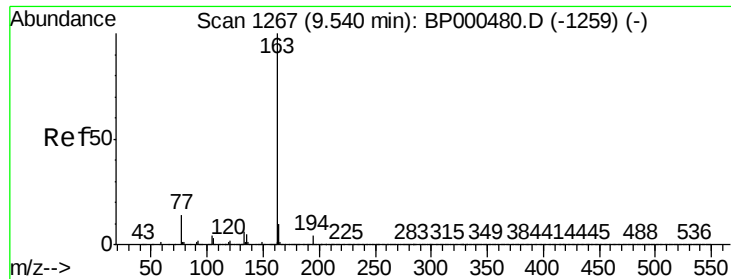
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#49
Acenaphthylene
Concen: 12.589 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion:	152	Resp:	385174
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.6	25.0
153	14.6	11.0	16.6





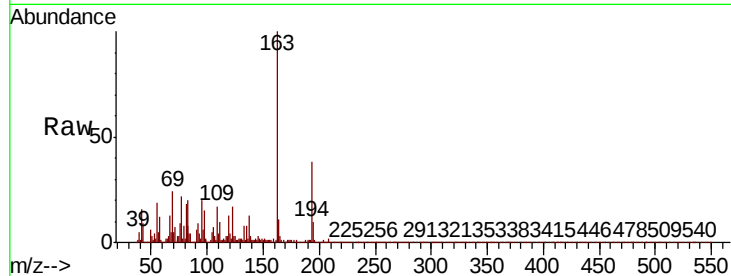
#50
Dimethylphthalate
Concen: 8.234 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Resp	Lower	Upper
163	100	198785		
194	10.4		3.4	5.2#
164	10.5		8.0	12.0

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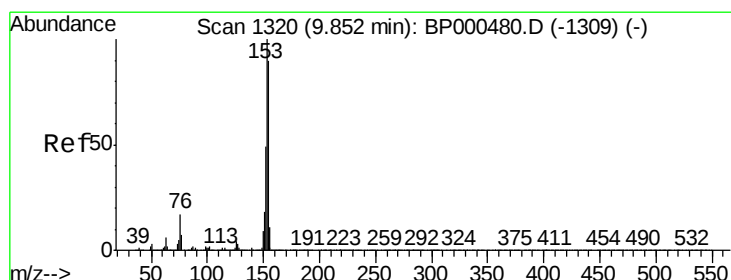
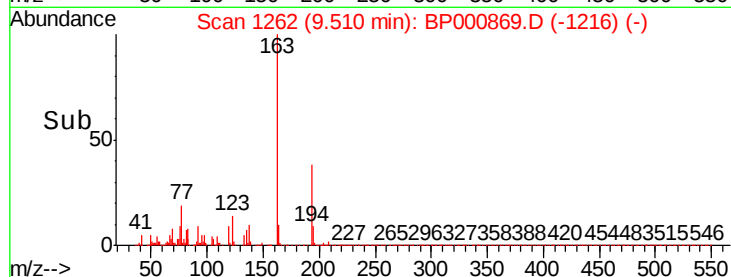
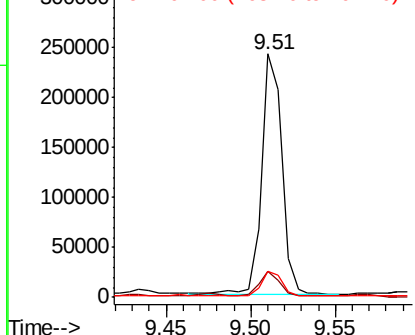


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 27.566 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

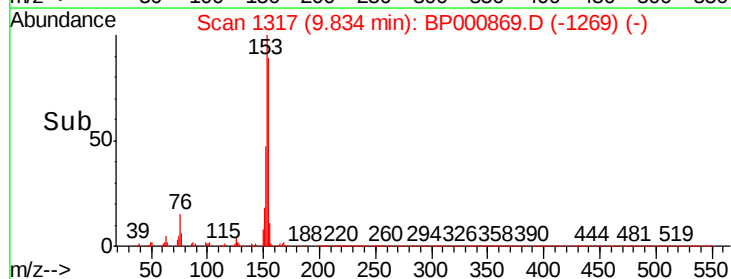
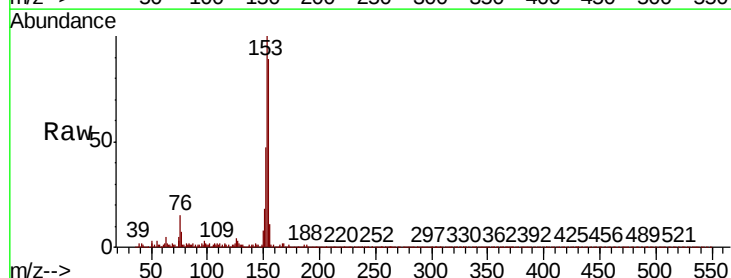
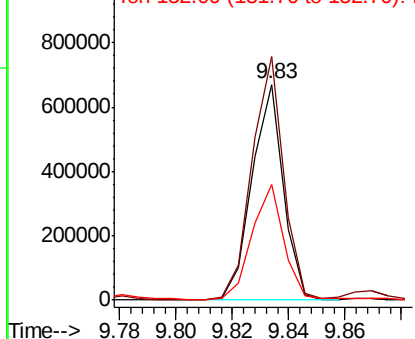
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	511613		
153	112.9		89.4	134.0
152	53.5		43.8	65.8

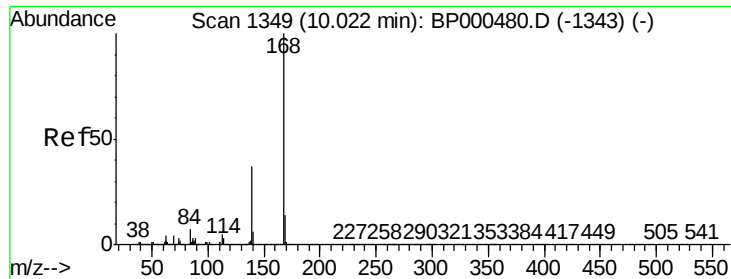
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





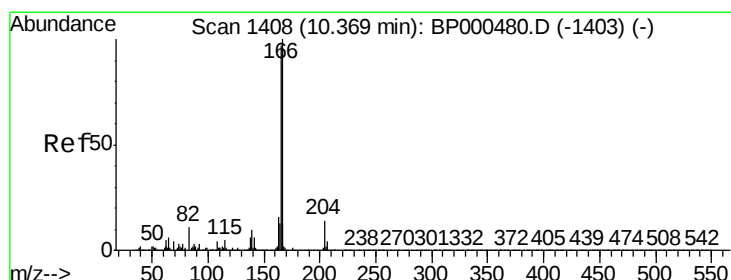
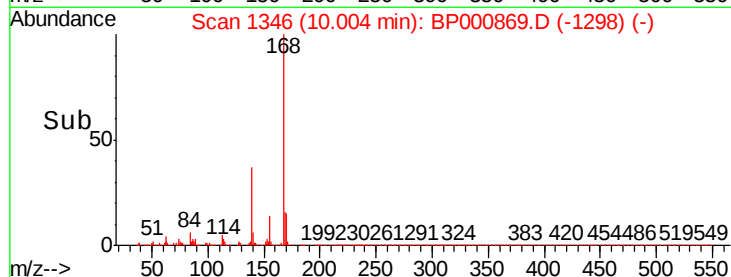
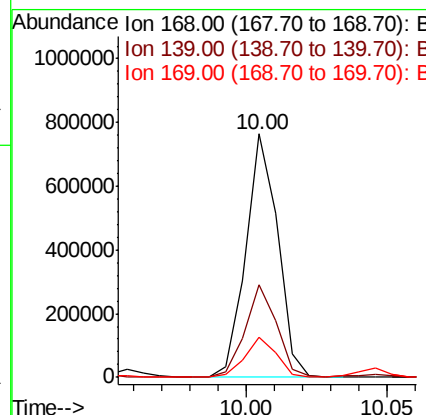
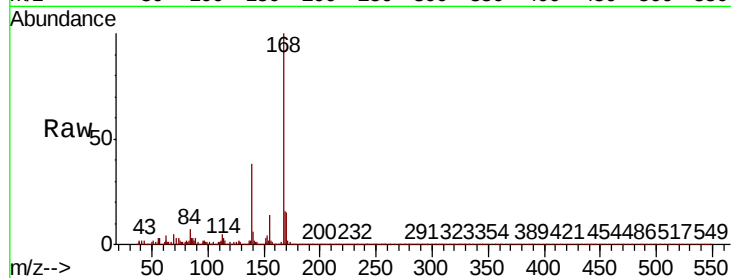
#55
Dibenzofuran
Concen: 21.459 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.5	44.3
169	16.2	11.1	16.7

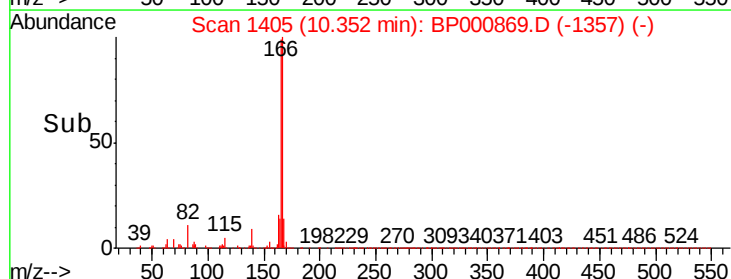
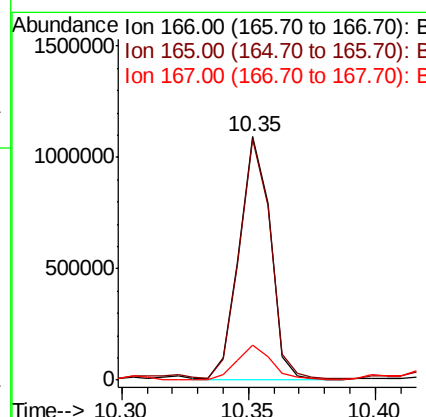
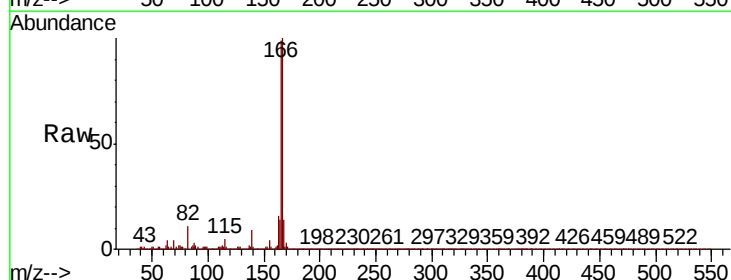
Manual Integrations
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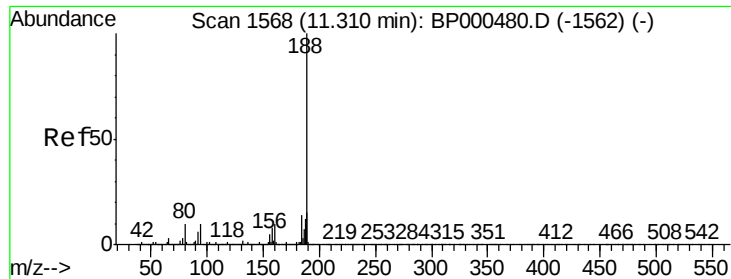
mohammad
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#58
Fluorene
Concen: 46.930 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.3	115.9
167	14.2	10.6	16.0





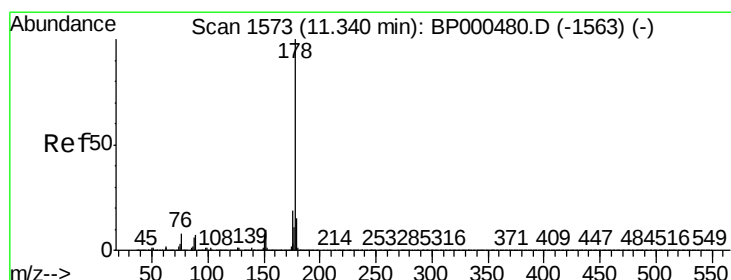
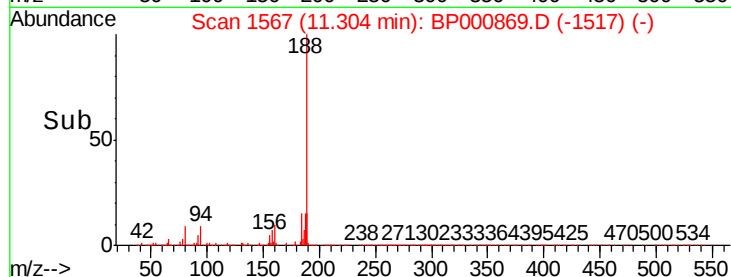
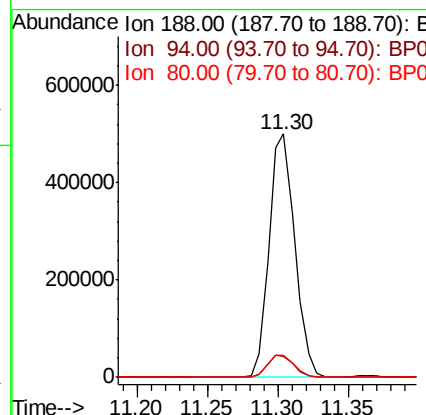
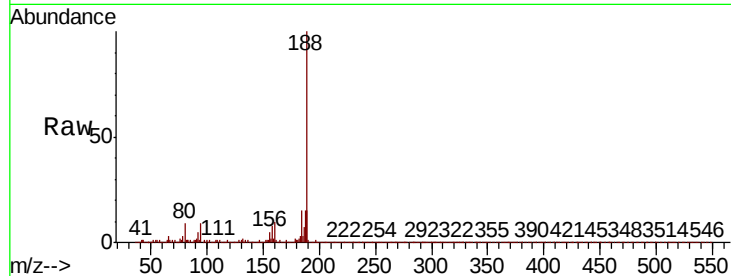
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	8.2	12.2
80	8.9	8.3	12.5

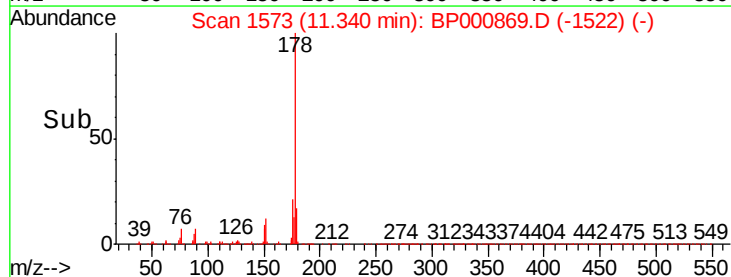
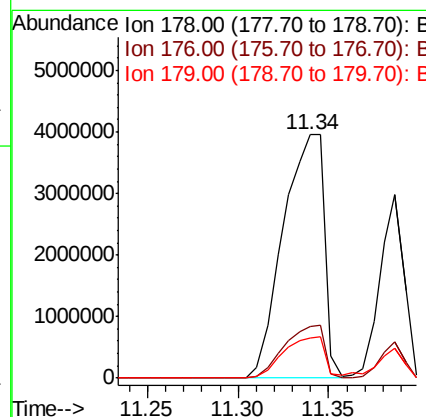
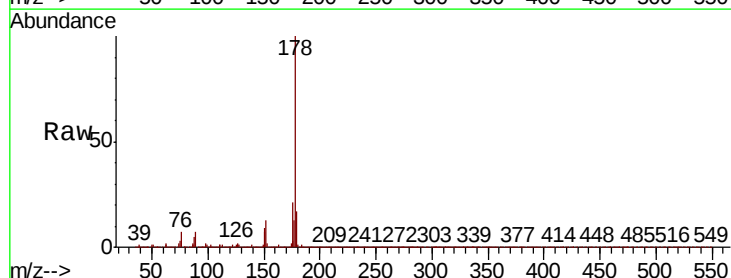
Manual Integrations
APPROVED

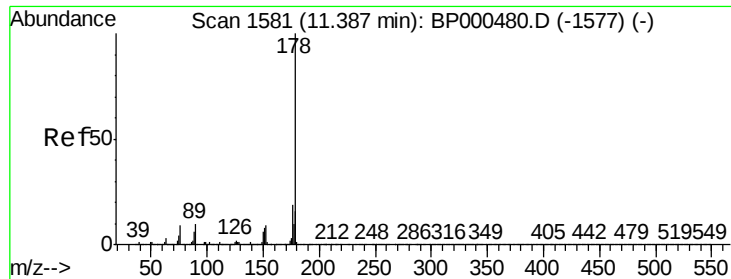
mohammad
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#71
Phenanthrene
Concen: 196.121 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	21.4	15.4	23.2
179	16.7	12.2	18.4





#72

Anthracene

Concen: 84.412 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Instrument :

BNA_P

ClientSampleId :

SU-01-101519

Tot Ion:178 Resp: 2685387

Ion Ratio Lower Upper

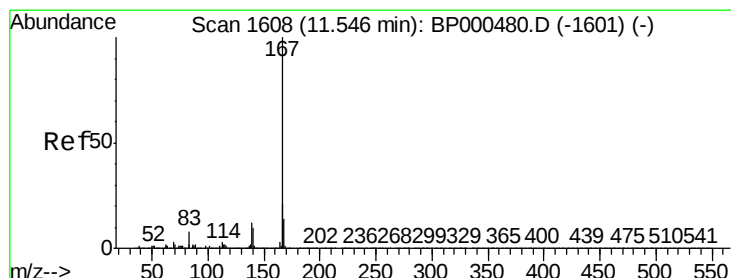
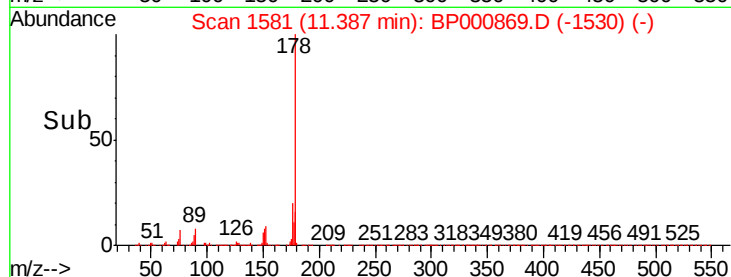
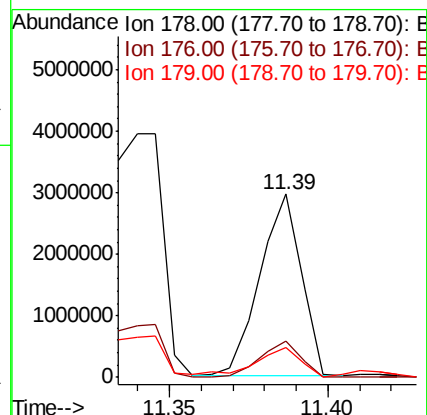
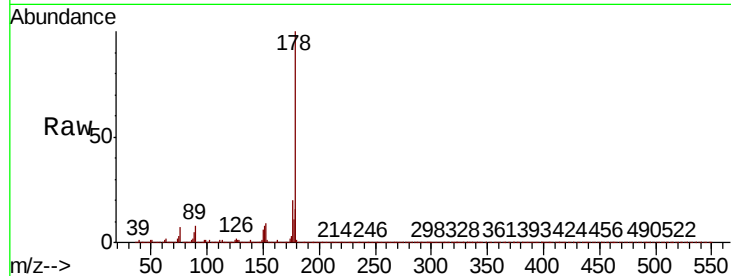
178 100

176 19.7 15.4 23.0

179 16.2 12.6 19.0

Manual Integrations
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#73

Carbazole

Concen: 16.925 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

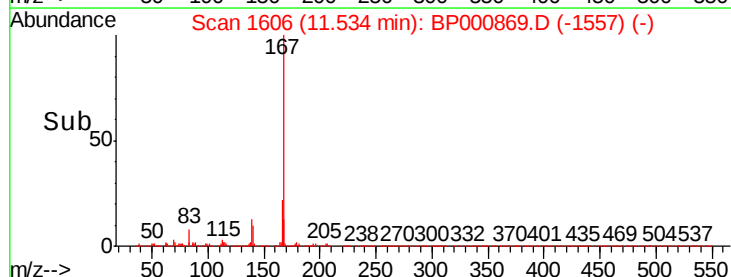
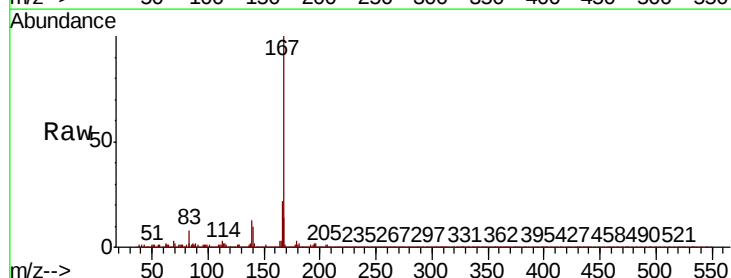
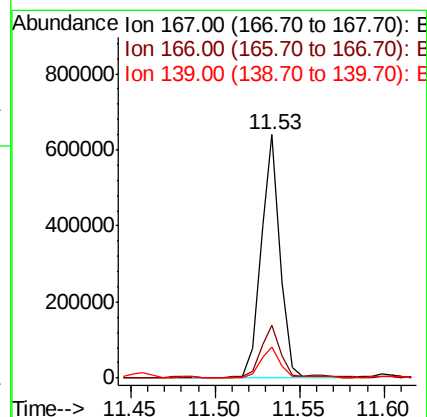
Tgt Ion:167 Resp: 499130

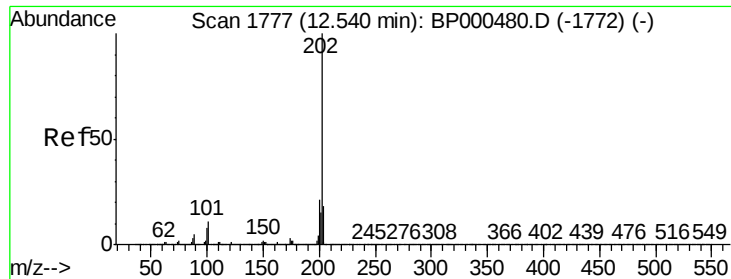
Ion Ratio Lower Upper

167 100

166 21.9 16.9 25.3

139 12.8 9.7 14.5





#75

Fluoranthene

Concen: 235.041 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Instrument :

BNA_P

ClientSampleId :

SU-01-101519

Tot Ion:202 Resp: 8469693

Ion Ratio Lower Upper

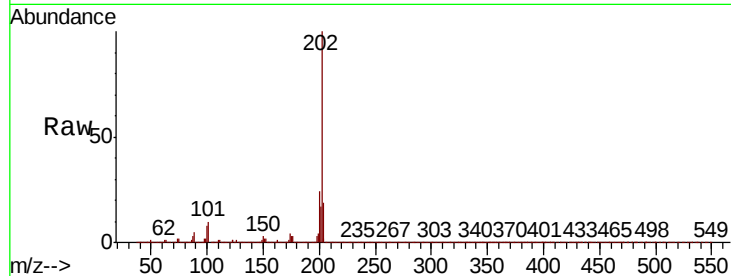
202 100

101 10.2 0.0 31.3

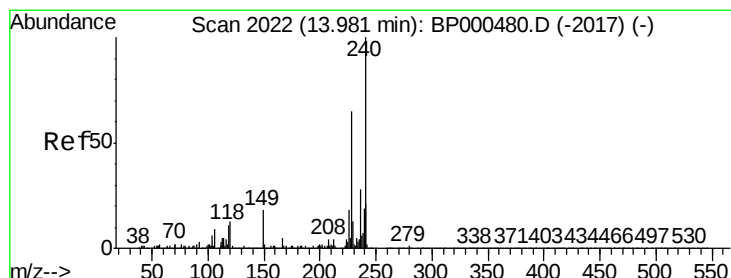
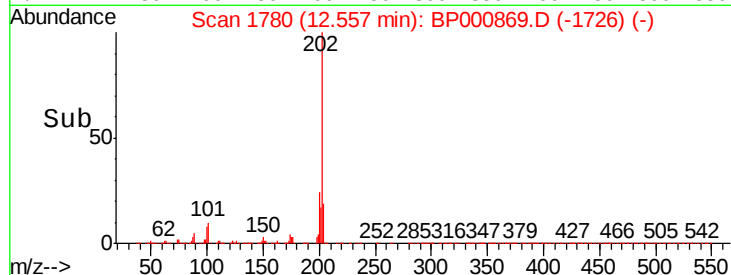
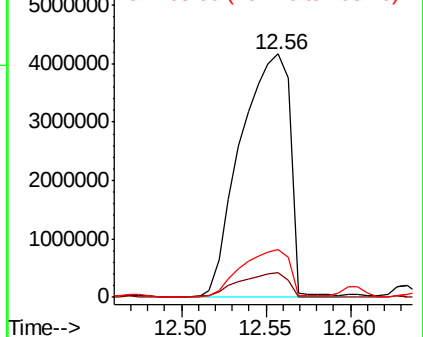
203 19.4 0.0 38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

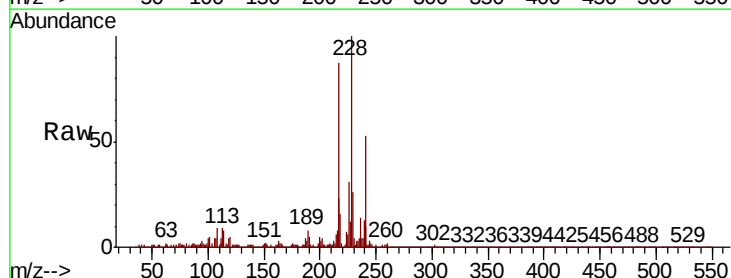
Tgt Ion:240 Resp: 413547

Ion Ratio Lower Upper

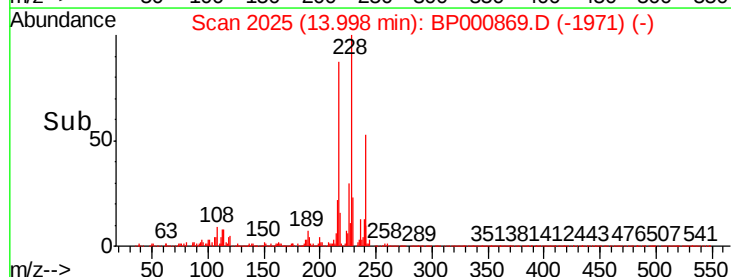
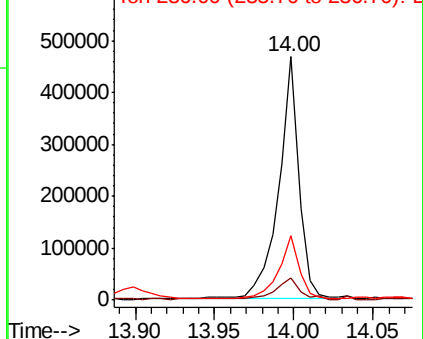
240 100

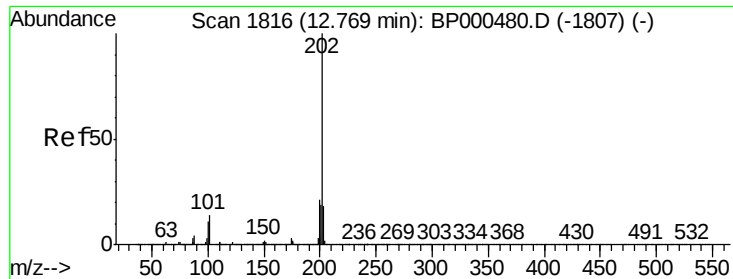
120 9.3 10.1 15.1#

236 26.5 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 240.732 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Instrument :

BNA_P

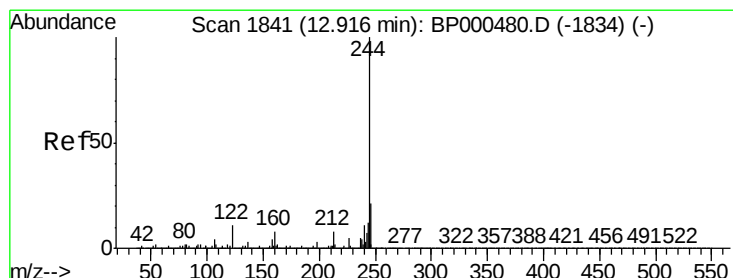
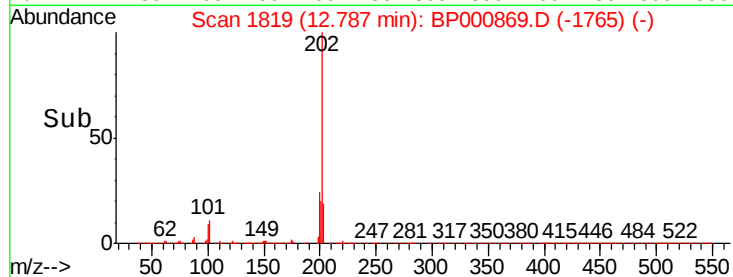
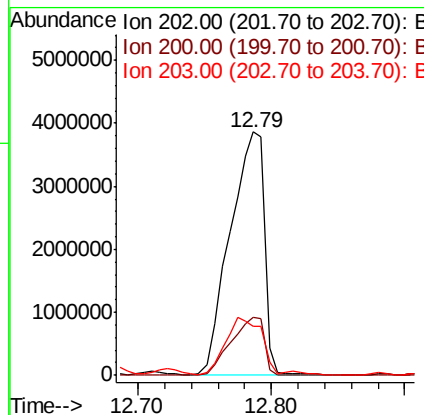
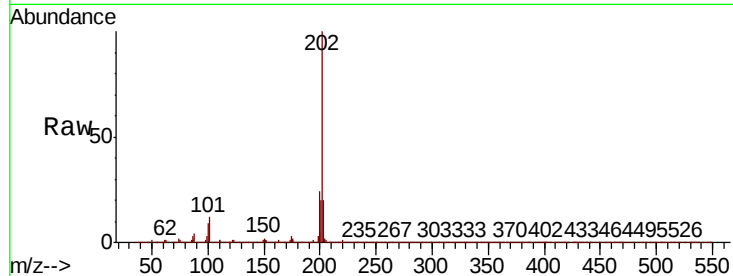
ClientSampleId :

SU-01-101519

Tot Ion:	202	Resp:	6866215
Ion	Ratio	Lower	Upper
202	100		
200	23.7	17.1	25.7
203	19.9	14.6	21.8

Manual Integrations
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#79

Terphenyl-d14

Concen: 44.888 ng

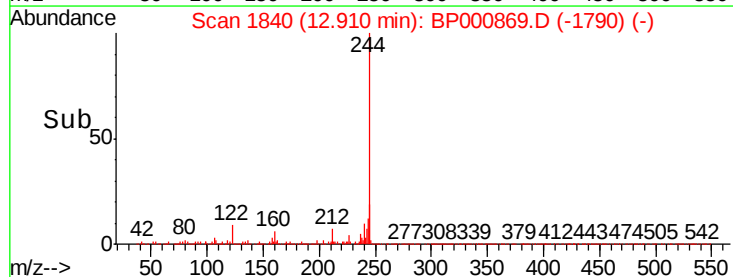
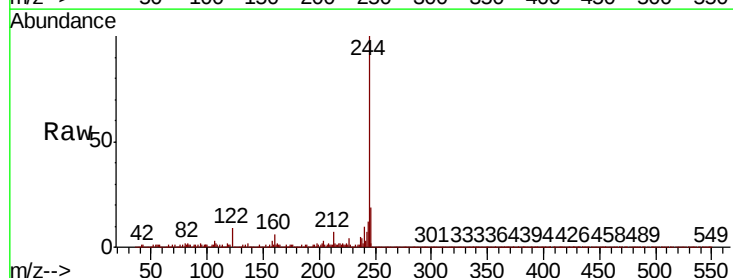
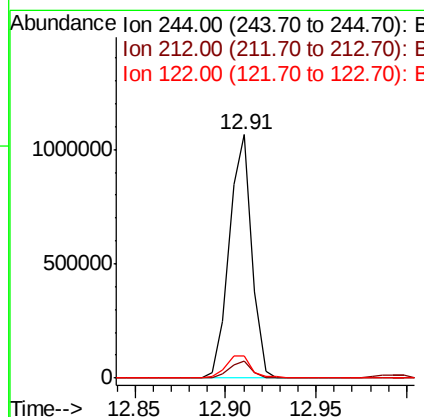
RT: 12.91 min Scan# 1840

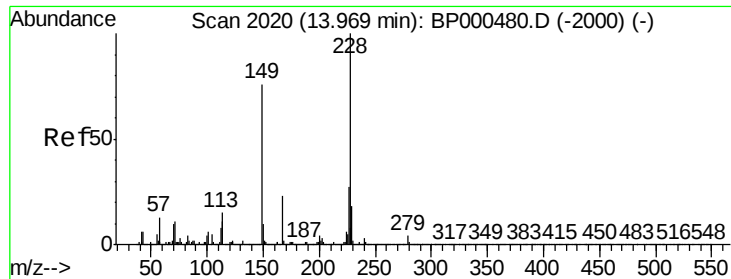
Delta R.T. -0.01 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Tgt Ion:	244	Resp:	916835
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.2	8.9	13.3





#81

Benzo(a)anthracene

Concen: 195.310 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

Instrument :

BNA_P

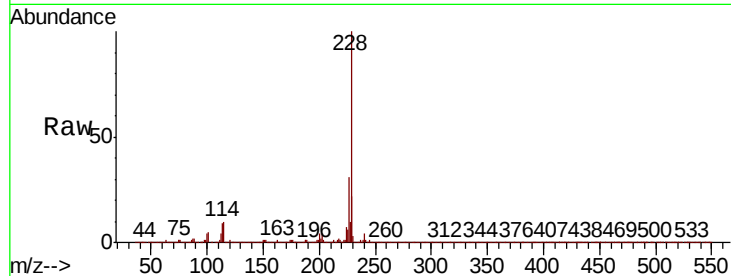
ClientSampleId :

SU-01-101519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.4	32.2
229	22.1	14.7	22.1

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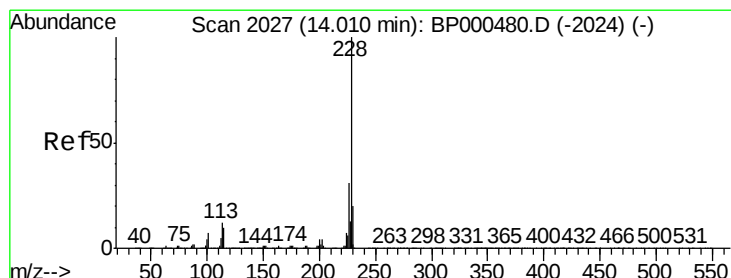
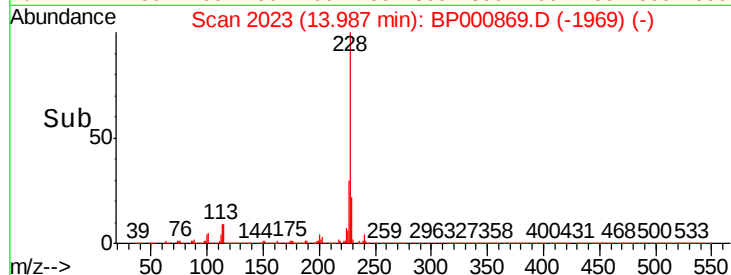
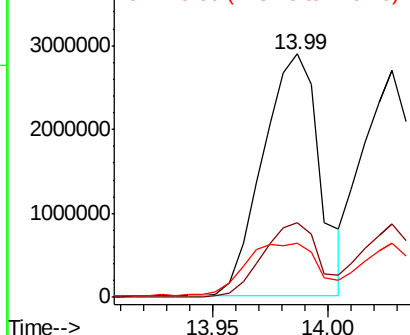


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 148.382 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BP000869.D

Acq: 18 Oct 2019 05:30

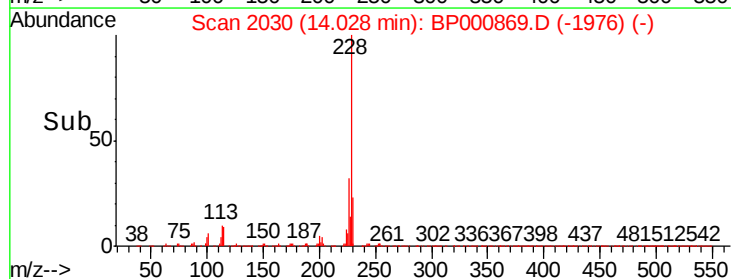
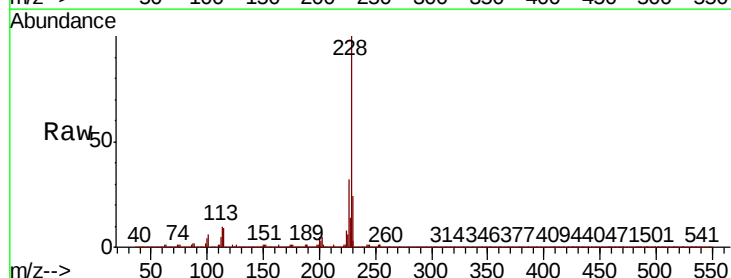
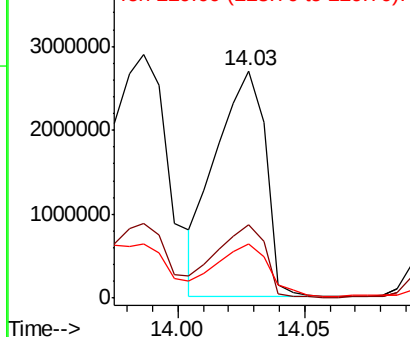
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	23.9	16.3	24.5

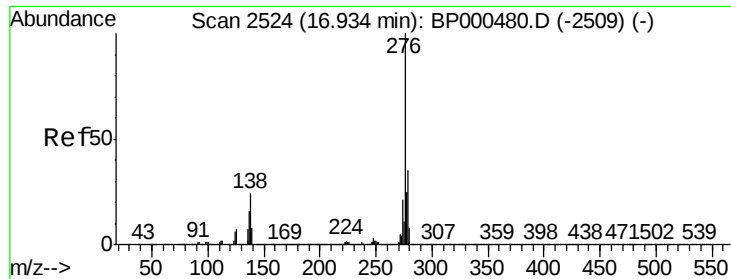
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





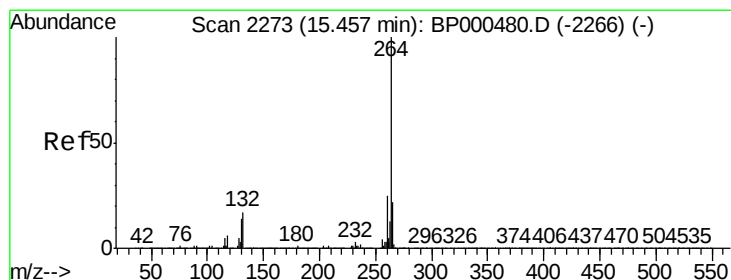
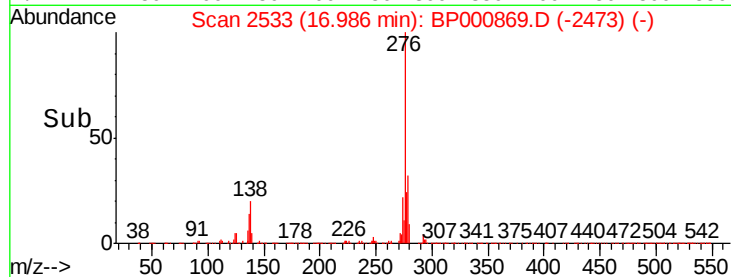
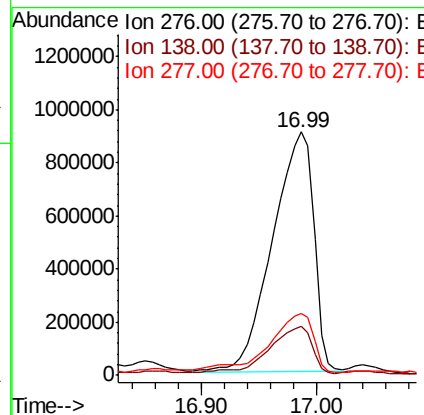
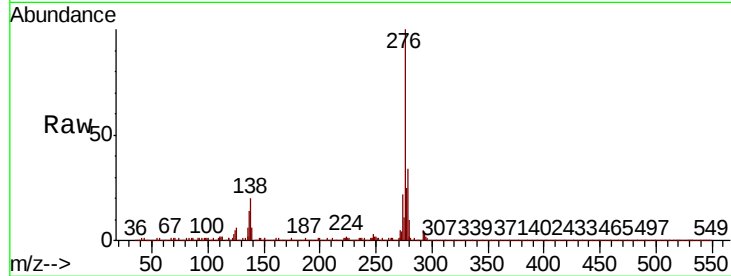
#86
Indeno(1,2,3-cd)pyrene
Concen: 72.658 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.05 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	20.9	31.3#
277	26.7	20.6	30.8

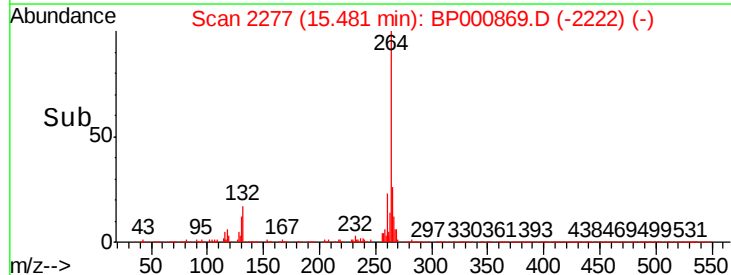
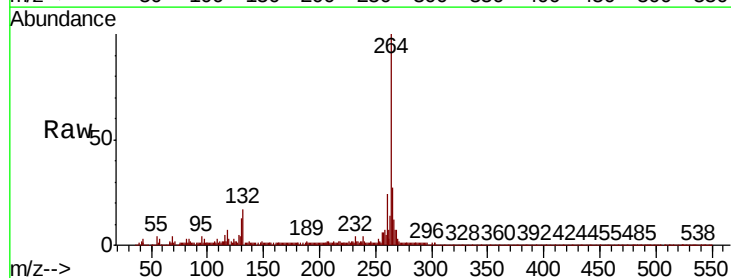
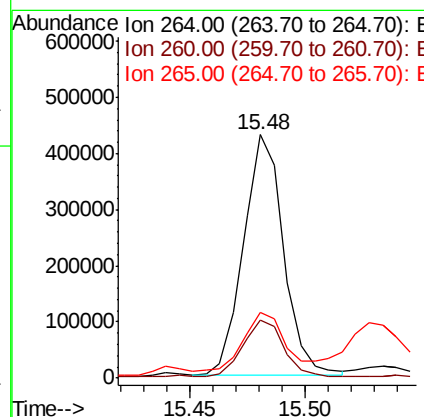
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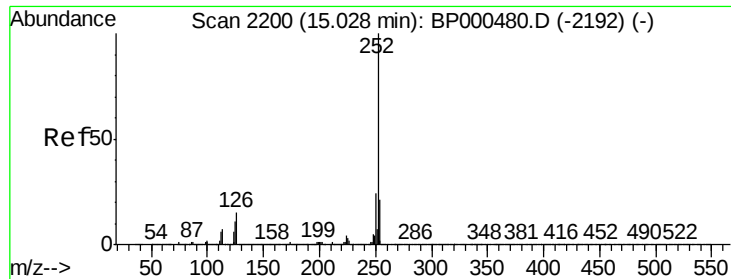
mohammad
10/20/2019 8:16:58 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.3	30.5
265	27.2	18.0	27.0#





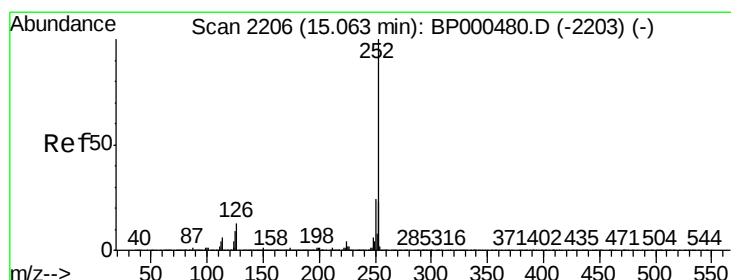
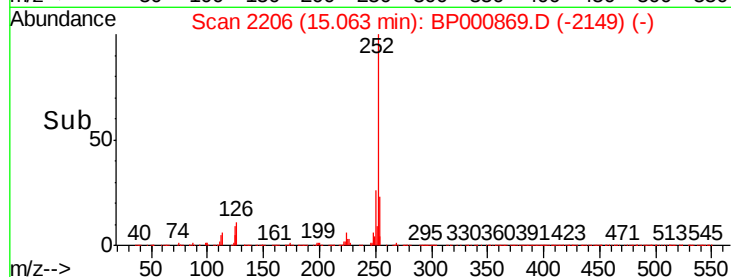
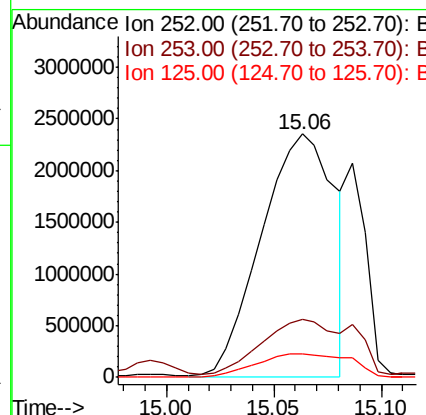
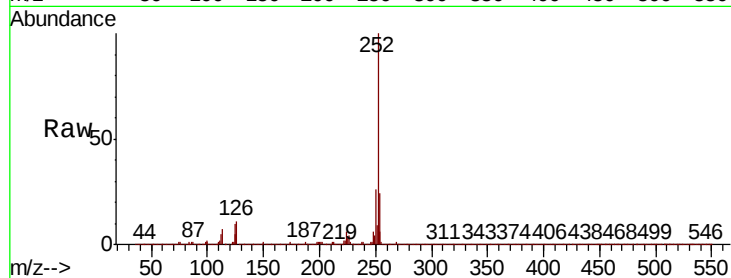
#88
Benzo(b)fluoranthene
Concen: 191.144 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	9.8	8.9	13.3

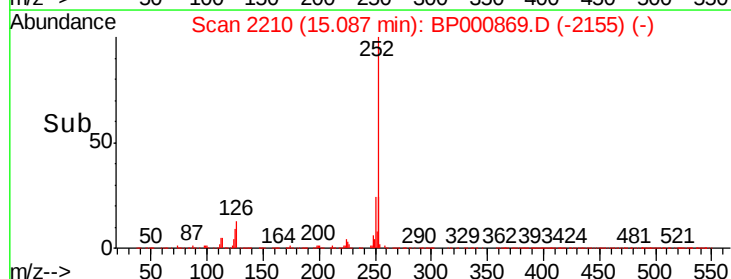
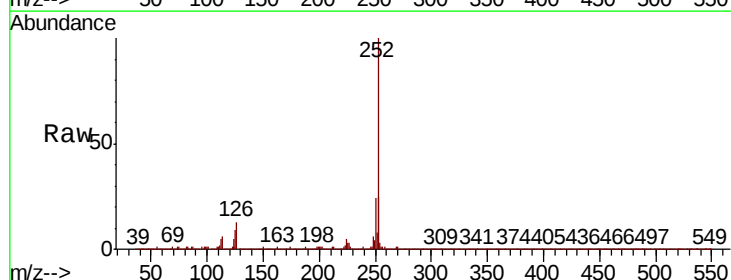
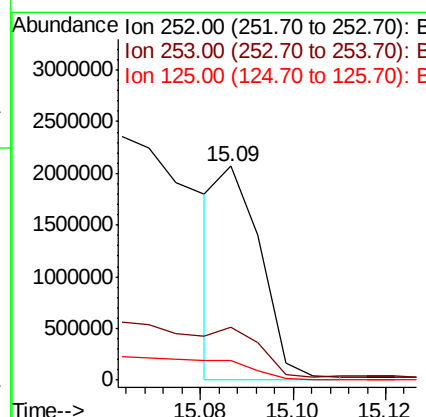
Manual Integrations
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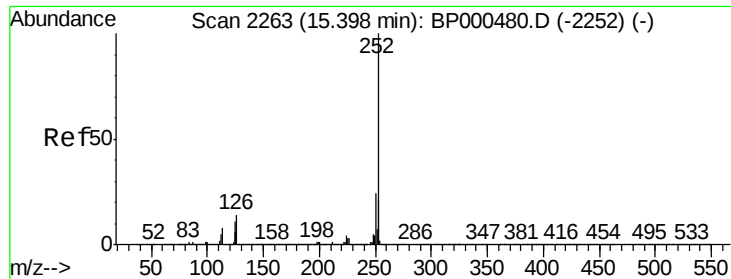
mohammad
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#89
Benzo(k)fluoranthene
Concen: 46.827 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	9.4	7.8	11.8





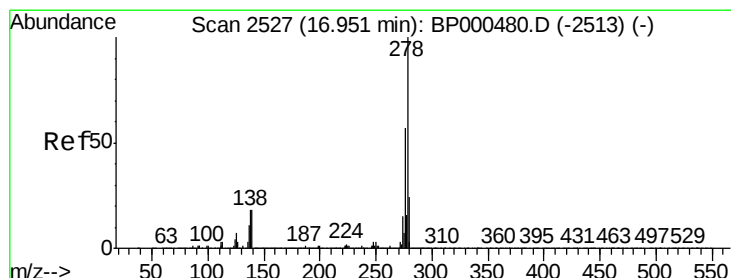
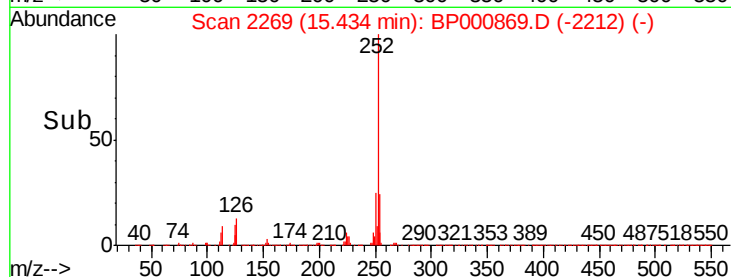
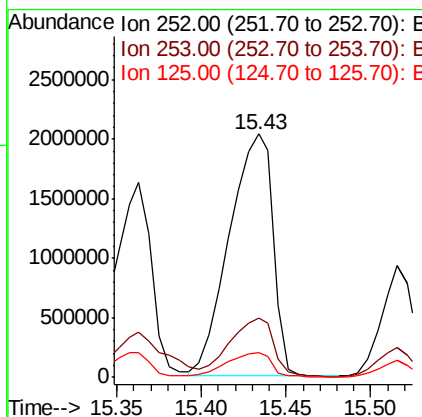
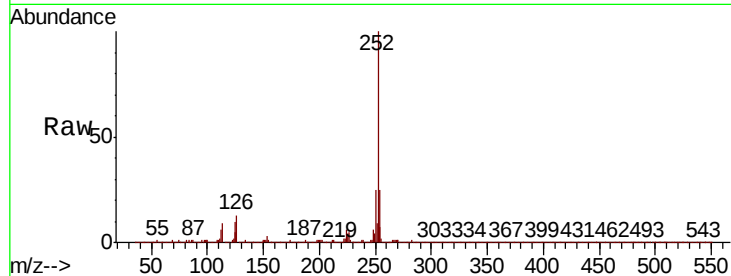
#90
Benzo(a)pyrene
Concen: 134.116 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.04 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Instrument :
BNA_P
ClientSampleId :
SU-01-101519

Tot Ion:252 Resp: 3674780
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 10.0 8.4 12.6

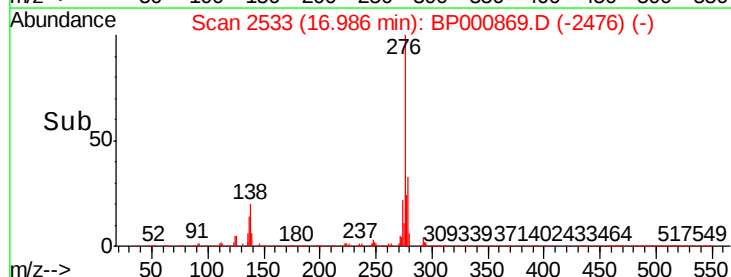
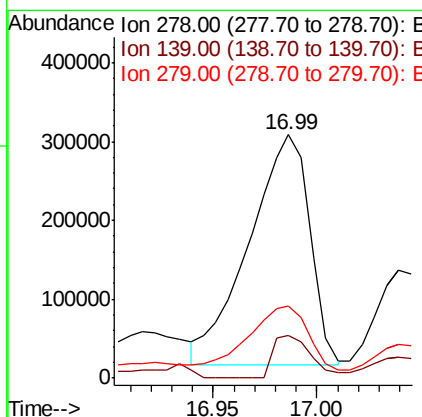
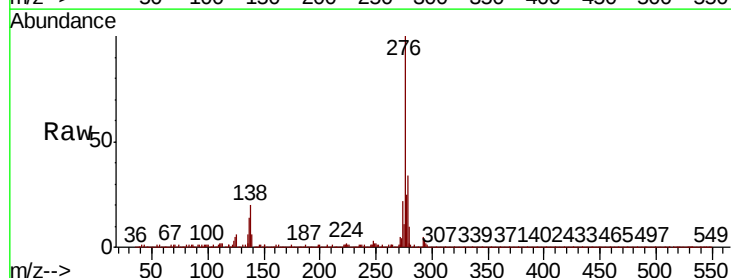
Manual Integrations
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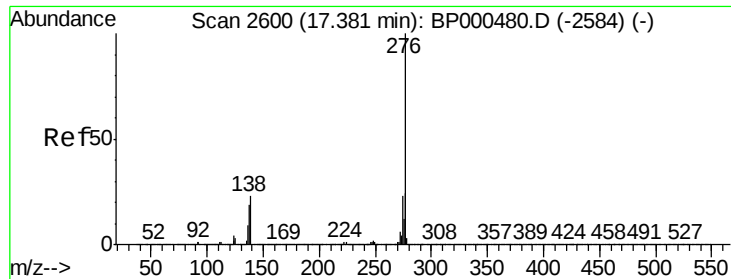
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#91
Dibenzo(a,h)anthracene
Concen: 22.223 ng m
RT: 16.99 min Scan# 2533
Delta R.T. 0.04 min
Lab File: BP000869.D
Acq: 18 Oct 2019 05:30

Tgt Ion:278 Resp: 590551
Ion Ratio Lower Upper
278 100
139 17.5 14.1 21.1
279 29.7 19.5 29.3#





#92
 Benzo(a,h,i)perylene
 Concen: 72.294 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.05 min
 Lab File: BP000869.D
 Acq: 18 Oct 2019 05:30

Instrument :
 BNA_P
 ClientSampleId :
 SU-01-101519

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	20.4	18.5	27.7

Manual Integrations
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